

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>P949PC00</b>	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. <b>PCT/DK2004/000914</b>	International filing date (day/month/year) <b>23/12/2004</b>	(Earliest) Priority Date (day/month/year) <b>27/12/2003</b>
Applicant <b>AROS APPLIED BIOTECHNOLOGY APS</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 7 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

## 4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

## 5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

## 6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☒ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/DK2004/000914

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MORI YURIKO ET AL: "The impact of microsatellite instability on the molecular phenotype of colorectal tumors." CANCER RESEARCH. 1 AUG 2003, vol. 63, no. 15, 1 August 2003 (2003-08-01), pages 4577-4582, XP002321908 ISSN: 0008-5472 cited in the application the whole document table 2	64, 65, 67
Y	----- -/-	27

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

19 April 2005

Date of mailing of the international search report

02/05/2005

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/DK2004/000914

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	BOLAND C R ET AL: "A National Cancer Institute Workshop on microsatellite instability for cancer detection and familial predisposition: development of international criteria for the determination of microsatellite instability in colorectal cancer" CANCER RESEARCH, AMERICAN ASSOCIATION FOR CANCER RESEARCH, BALTIMORE, MD, US, vol. 58, no. 22, 15 November 1998 (1998-11-15), pages 5248-5257, XP001080197 ISSN: 0008-5472 cited in the application the whole document	1,27,28
Y	ALON U ET AL: "Broad patterns of gene expression revealed by clustering analysis of tumor and normal colon tissues probed by oligonucleotide arrays" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE, WASHINGTON, US, vol. 96, 1999, pages 6745-6750, XP000900484 ISSN: 0027-8424 the whole document	27
Y	PELTOMAKI PAIVI: "Deficient DNA mismatch repair: A common etiologic factor for colon cancer" HUMAN MOLECULAR GENETICS, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 10, no. 7, 2001, pages 735-740, XP002204642 ISSN: 0964-6906 the whole document	1,28
A	WOERNER S M ET AL: "Systematic identification of genes with coding microsatellites mutated in DNA mismatch repair-deficient cancer cells" INTERNATIONAL JOURNAL OF CANCER, NEW YORK, NY, US, vol. 93, 6 April 2001 (2001-04-06), pages 12-19, XP001061477 ISSN: 0020-7136 the whole document	

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/DK2004/000914

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	LINNEBACHER M ET AL: "Frameshift peptide-derived T-cell epitopes: a source of novel tumor-specific antigens" INTERNATIONAL JOURNAL OF CANCER, NEW YORK, NY, US, vol. 93, 6 April 2001 (2001-04-06), pages 6-11, XP001061478 ISSN: 0020-7136 the whole document	53,57
A	EP 1 361 286 A (MTM LABORATORIES AG) 12 November 2003 (2003-11-12) the whole document	53,57

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DK2004/000914

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1361286	A	12-11-2003	EP 1361286 A1	12-11-2003
			AU 2003232485 A1	27-10-2003
			WO 03087162 A2	23-10-2003